

FEATURES

- Fred Chip Planar Construction
- SuperFast Switching, High Efficiency
- Low Power loss, High Efficiency
- Low Reverse Leakage Current
- High Surge Current Capability



INTERNAL STRUCTURE

MECHANICAL DATA

- Case: TO-3P, Molded Plastic
- Terminals:Pure tin Plated ,Lead free Solderable per MIL-STD-750, Method 2026
- Polarity: As marked
- Weight: 5.1 grams(approx)
- Mounting Position:Any

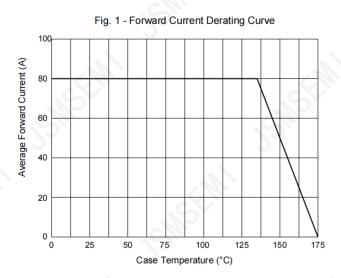
Maximum Ratings and Electrical Characteristics @TA=25°C unless otherwise specified

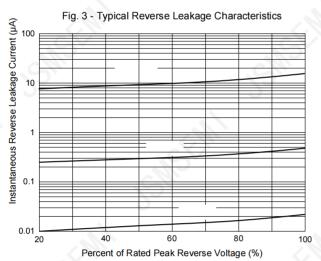
Single Phase, half wave, $60H_Z$, resistive or inductive load. For capacitive load, derate current by 20%.

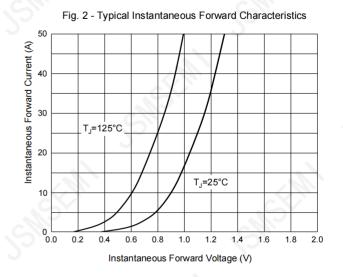
Symbol	MUR80	30PT	Unit	
	MUR8030PT			
VRRM	300		V	
VRMS	210		V	
VDC	300		V	
lf(AV)	80		Α	
Iғsм	450		А	
VF	Тур.	Max.	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
	1.15	1.3	-	
Trr	Тур.	Гур. Мах.		
	45	50	nS	
l _R	5 100		uA	
Rejc	1.5		°C/W	
Reja	45		°C/W	
T _J ,Tstg	-55 to +150		°C	
	VRMS VDC IF(AV) IFSM VF Trr IR Rejc Reja	VRMS 210 VDC 300 IF(AV) 80 IFSM 45 Typ. 1.15 Trr 45 IR 5 10 Rejc 1.5 Reja 45	VRMS 210 VDC 300 IF(AV) 80 IFSM 450 VF Typ. Max. 1.15 1.3 Typ. Max. Trr 45 50 IR 5 100 Rejc 1.5 Reja 45	

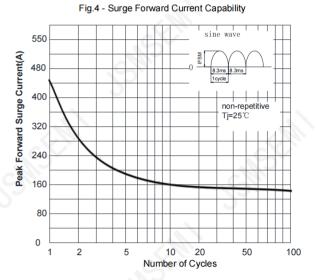


Curve Characteristics

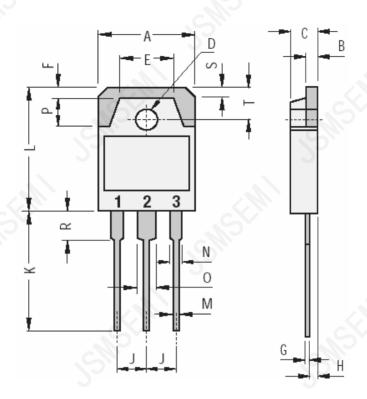








TO-3P



DIM	Min	Max	DIM	Min	Max
Α	15.20	16.00	K	20.00	
В	1.45	1.60	L	19.60	20.20
С	4.60	5.00	M	0.95	1.25
D	3.10	3.30	N		2.00
Е		9.60	0	,c	3.00
F		2	Р	2,	5.00
G	0.50	0.65	R		4.00
Н		1.4	S		1.80
J	5.35	5.55	T	4.80	5.20

All Dimensions are in mm



Revision History

Rev.	Change	Date
V1.0	Initial version	2/23/2024

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